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OM protein - protein search, using sw model

Run on: August 28, 2003, 18:34:33 ; Search time 16.6667 Seconds  
(without alignments)  
90.276 Million cell updates/sec

Title: US-09-743-225-4

Perfect score: 62

Sequence: 1 KDKATFGTHDG 11

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 510680 seqs, 136781880 residues

Total number of hits satisfying chosen parameters: 510680

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications\_AA:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	56	90.3	345	11	US-09-992-600A-106
2	56	90.3	345	11	US-09-924-340-106
3	56	90.3	345	12	US-09-992-095B-106
4	56	90.3	345	15	US-10-000-489-106
5	56	90.3	345	15	US-10-000-986-106
6	37	59.7	188	9	US-09-828-644-106
7	35	56.5	405	12	US-10-238-075-1553
8	35	56.5	2209	10	US-09-902-941-1903
9	35	56.5	2209	10	US-09-849-626-1903
10	35	56.5	2209	15	US-10-017-754-1903
11	34	54.8	289	12	US-10-272-490-83
12	34	54.8	309	12	US-10-214-473-14
13	34	54.8	309	12	US-10-272-490-14
14	34	54.8	323	12	US-10-336-597-4
15	34	54.8	578	10	US-09-999-248-2

16	34	54.8	740	15	US-10-128-714-3482	Sequence 3482, Ap
17	34	54.8	740	15	US-10-128-714-8482	Sequence 8482, Ap
18	34	54.8	794	15	US-10-128-714-3437	Sequence 3437, Ap
19	34	54.8	794	15	US-10-128-714-8437	Sequence 8437, Ap
20	34	54.8	938	9	US-09-815-242-10016	Sequence 10016, A
21	33	53.2	215	15	US-10-156-761-11293	Sequence 11293, A
22	33	53.2	258	11	US-09-992-600A-30	Sequence 30, Appl
23	33	53.2	258	11	US-09-924-340-30	Sequence 30, Appl
24	33	53.2	258	12	US-09-922-095B-30	Sequence 30, Appl
25	33	53.2	258	15	US-10-000-489-30	Sequence 30, Appl
26	33	53.2	258	15	US-10-000-986-30	Sequence 30, Appl
27	33	53.2	476	9	US-09-815-242-10200	Sequence 10200, A
28	33	53.2	476	9	US-09-815-242-13821	Sequence 13821, A
29	33	53.2	534	15	US-10-156-761-8407	Sequence 8407, Ap
30	33	53.2	778	15	US-10-156-761-12629	Sequence 12629, A
31	32.5	52.4	1323	15	US-10-135-144-81	Sequence 81, Appl
32	32	51.6	127	15	US-10-204-887-102	Sequence 102, Appl
33	32	51.6	324	15	US-10-156-761-12339	Sequence 12339, A
34	32	51.6	370	10	US-09-738-626-4354	Sequence 4354, Ap
35	32	51.6	480	11	US-09-893-519A-38	Sequence 38, Appl
36	31.5	50.8	191	15	US-10-156-761-11564	Sequence 11564, A
37	31	50.0	22	9	US-09-864-761-44036	Sequence 44036, A
38	31	50.0	92	10	US-09-738-626-4072	Sequence 4072, Ap
39	31	50.0	213	9	US-09-922-958-2	Sequence 2, Appl
40	31	50.0	238	15	US-10-180-375-181	Sequence 181, App
41	31	50.0	238	15	US-10-180-375-218	Sequence 218, App
42	31	50.0	239	15	US-10-180-375-44	Sequence 44, Appl
43	31	50.0	298	12	US-10-272-490-91	Sequence 91, Appl
44	31	50.0	320	12	US-10-214-473-76	Sequence 76, Appl
45	31	50.0	320	12	US-10-272-490-76	Sequence 76, Appl

#### ALIGNMENTS

RESULT 1  
US-09-992-600A-106  
Sequence 106, Application US/09992600A  
Publication No. US20030027161A1  
GENERAL INFORMATION:  
APPLICANT: Benjamin, Stephane  
APPLICANT: Tanaka, Hiroaki  
TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
FILE REFERENCE: 91 US4 DIV  
CURRENT APPLICATION NUMBER: US/09/992,600A  
CURRENT FILING DATE: 2001-11-13  
PRIOR APPLICATION NUMBER: US 09/924,340  
PRIOR FILING DATE: 2001-08-06  
PRIOR APPLICATION NUMBER: PCT/IB01/01715  
PRIOR FILING DATE: 2001-08-06  
PRIOR APPLICATION NUMBER: US 60/305,456  
PRIOR FILING DATE: 2001-07-13  
PRIOR APPLICATION NUMBER: US 60/302,277  
PRIOR FILING DATE: 2001-06-29  
PRIOR APPLICATION NUMBER: US 60/298,698  
PRIOR FILING DATE: 2001-06-15  
PRIOR APPLICATION NUMBER: US 60/293,574  
PRIOR FILING DATE: 2001-05-25  
NUMBER OF SEQ ID NOS: 114  
SOFTWARE: JPatent  
SEQ ID NO 106  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: 1..19  
US-09-992-600A-106  
Query Match 90.3%; Score 56; DB 11; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.013;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11  
||||||| |||  
Db 227 KDKATFGCHDG 237

## RESULT 2

US-09-924-340-106  
; Sequence 106, Application US/09924340  
; Publication No. US20030027248A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.US2.REG  
; CURRENT APPLICATION NUMBER: US/09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: JPatent  
; SEQ ID NO 106  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..19  
US-09-924-340-106

Query Match 90.3%; Score 56; DB 11; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.013;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11  
||||||| |||  
Db 227 KDKATFGCHDG 237

## RESULT 3

US-09-992-095B-106  
; Sequence 106, Application US/09992095B  
; Publication No. US20030157485A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.US5.DIV  
; CURRENT APPLICATION NUMBER: US/09/992,095B  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR FILING DATE: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: JPatent  
; SEQ ID NO 106  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens

; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..19  
US-09-992-095B-106

Query Match 90.3%; Score 56; DB 12; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.013;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11  
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Db 227 KDKATFGCHDG 237

## RESULT 4

US-10-000-489-106  
; Sequence 106, Application US/10000489  
; Publication No. US20030092011A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.US6.DIV  
; CURRENT APPLICATION NUMBER: US/10/000,489  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: JPatent  
; SEQ ID NO 106  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..19  
US-10-000-489-106

Query Match 90.3%; Score 56; DB 15; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.013;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11  
||||||| |||  
Db 227 KDKATFGCHDG 237

## RESULT 5

US-10-000-986-106  
; Sequence 106, Application US/10000986  
; Publication No. US20030096247A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.US9.DIV  
; CURRENT APPLICATION NUMBER: US/10/000,986  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456

; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: JPatent  
; SEQ ID NO 106  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..19  
; US-10-000-986-106

Query Match 90.3%; Score 56; DB 15; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.013;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 K0KATFGTHD 11  
Db 227 K0KATFGCHD 237

RESULT 6  
US-09-828-644-106  
; Sequence 106, Application US/09828644  
; Patent No. US2002015998A1  
; GENERAL INFORMATION:  
; APPLICANT: Vogel, Gabriel  
; TITLE OF INVENTION: NO. US2002015998A1 G Protein-Coupled Receptors  
; FILE REFERENCE: 00196US1  
; CURRENT APPLICATION NUMBER: US/09/828,644  
; CURRENT FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: 60/195,150  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 60/195,099  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 60/195,151  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 60/195,148  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 60/195,093  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 60/195,098  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 60/230,149  
; PRIOR FILING DATE: 2000-09-05  
; NUMBER OF SEQ ID NOS: 117  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 106  
; LENGTH: 188  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-828-644-106

Query Match 59.7%; Score 37; DB 9; Length 188;  
Best Local Similarity 66.7%; Pred. No. 25;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 3 KATFGTHD 11  
Db 57 KISFGTHG 65

RESULT 7  
US-10-238-075-1553  
; Sequence 1553, Application US/10238075  
; Publication No. US20030148324A1  
; GENERAL INFORMATION:

; APPLICANT: I.N.S.E.R.M.  
; TITLE OF INVENTION: Polynucleotides which are of nature B2/D+ A- and which are iso  
; TITLE OF INVENTION: E.coli, and biological uses of these polynucleotides and of t  
; FILE REFERENCE: BLANDINE  
; CURRENT APPLICATION NUMBER: US/10/238,075  
; CURRENT FILING DATE: 2002-09-10  
; PRIOR APPLICATION NUMBER: 0003145  
; PRIOR FILING DATE: 2000-03-10  
; NUMBER OF SEQ ID NOS: 1576  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1553  
; LENGTH: 405  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-10-238-075-1553

Query Match 56.5%; Score 35; DB 12; Length 405;  
Best Local Similarity 85.7%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 ATFGTHD 10  
Db 233 ATFGNHD 239

RESULT 8  
US-09-902-941-1903  
; Sequence 1903, Application US/09902941  
; Patent No. US20020172952A1  
; GENERAL INFORMATION:  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Watanabe, Yoshihiro  
; APPLICANT: Johnson, Jeffrey C.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Marnerakis, Margarita  
; APPLICANT: Carter, Darick  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Bangur, Chaitanya S.  
; APPLICANT: McNabb, Andrea  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.478C17  
; CURRENT APPLICATION NUMBER: US/09/902,941  
; CURRENT FILING DATE: 2001-07-10  
; NUMBER OF SEQ ID NOS: 2002  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1903  
; LENGTH: 2209  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-902-941-1903

Query Match 56.5%; Score 35; DB 10; Length 2209;  
Best Local Similarity 85.7%; Pred. No. 8.3e+02;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 3 KATFGTH 9  
Db 1178 KASFGTH 1184

RESULT 9  
US-09-849-626-1903  
; Sequence 1903, Application US/09849626  
; Publication No. US20020197669A1  
; GENERAL INFORMATION:  
; APPLICANT: Bangur, Chaitanya  
; APPLICANT: Fanger, Gary  
; APPLICANT: Wang, Aijun  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Switzer, Anne

; APPLICANT: McNeill, Patricia  
; APPLICANT: Clapper, Jonathan  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.478C16  
; CURRENT APPLICATION NUMBER: US/09/849,626  
; CURRENT FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 1926  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1903  
; LENGTH: 2209  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-849-626-1903

Query Match 56.5%; Score 35; DB 10; Length 2209;  
Best Local Similarity 85.7%; Pred. No. 8.3e+02;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 3 KATFGTH 9  
II:IIII  
DB 1178 KASFGTH 1184

RESULT 10  
US-10-017-754-1903  
; Sequence 1903, Application US/10017754  
; Publication No. US20030054363A1  
; GENERAL INFORMATION:  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Wang, Tonglong  
; APPLICANT: Watanabe, Yoshihiro  
; APPLICANT: Johnson, Jeffrey C.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Marnerakis, Margarita  
; APPLICANT: Carter, Darrick  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Bangur, Chaitanya S.  
; APPLICANT: McNabb, Andria  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.478C18  
; CURRENT APPLICATION NUMBER: US/10/017,754  
; CURRENT FILING DATE: 2001-10-29  
; NUMBER OF SEQ ID NOS: 2004  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1903  
; LENGTH: 2209  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-017-754-1903

Query Match 56.5%; Score 35; DB 15; Length 2209;  
Best Local Similarity 85.7%; Pred. No. 8.3e+02;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 3 KATFGTH 9  
II:IIII  
DB 1178 KASFGTH 1184

RESULT 11  
US-10-272-490-83  
; Sequence 83, Application US/10272490  
; Publication No. US20030148490A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhao, Lishan  
; APPLICANT: Mathur, Eric J.  
; APPLICANT: Weiner, David  
; APPLICANT: Richardson, Toby  
; APPLICANT: Milan, Aileen  
; APPLICANT: Burk, Mark J.

; APPLICANT: Han, Bin  
; APPLICANT: Short, Jay M.  
; TITLE OF INVENTION: EPOXIDE HYDROLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS  
; TITLE OF INVENTION: OF MAKING AND USING THEM  
; FILE REFERENCE: 09010-831001  
; CURRENT APPLICATION NUMBER: US/10/272,490  
; CURRENT FILING DATE: 2002-10-10  
; PRIOR APPLICATION NUMBER: US 10/214,473  
; PRIOR FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: US 60/309,478  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/393,378  
; PRIOR FILING DATE: 2002-07-03  
; NUMBER OF SEQ ID NOS: 94  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 83  
; LENGTH: 289  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Obtained from an environmental source  
US-10-272-490-83

Query Match 54.8%; Score 34; DB 12; Length 289;  
Best Local Similarity 70.0%; Pred. No. 1.4e+02;  
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 KDKATFGTHD 10  
IIIIII II  
DB 96 KDKATIVGHD 105

RESULT 12  
US-10-214-473-14  
; Sequence 14, Application US/10214473  
; Publication No. US20030148443A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhao, Lishan  
; APPLICANT: Mathur, Eric J.  
; APPLICANT: Weiner, David  
; APPLICANT: Richardson, Toby  
; APPLICANT: Milan, Aileen  
; APPLICANT: Burk, Mark J.  
; APPLICANT: Han, Bin  
; APPLICANT: Short, Jay M.  
; TITLE OF INVENTION: EPOXIDE HYDROLASES, NUCLEIC ACIDS ENCODING  
; TITLE OF INVENTION: THEM AND METHODS OF MAKING AND USING THEM  
; FILE REFERENCE: 09010-600001  
; CURRENT APPLICATION NUMBER: US/10/214,473  
; CURRENT FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: US 60/309,478  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/393,378  
; PRIOR FILING DATE: 2002-07-03  
; NUMBER OF SEQ ID NOS: 83  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14  
; LENGTH: 309  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Obtained from an environmental source  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: (1)...(20)  
US-10-214-473-14

Query Match 54.8%; Score 34; DB 12; Length 309;  
Best Local Similarity 70.0%; Pred. No. 1.5e+02;  
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 KDKATFGTHD 10  
IIIIII II

Db 116 KDKATIVGHD 125

RESULT 13

US-10-272-490-14

Sequence 14, Application US/10272490

Publication No. US20030148490A1

GENERAL INFORMATION:

APPLICANT: Zhao, Lishan

APPLICANT: Mathur, Eric J.

APPLICANT: Weiner, David

APPLICANT: Richardson, Toby

APPLICANT: Milan, Aileen

APPLICANT: Burk, Mark J.

APPLICANT: Han, Bin

APPLICANT: Short, Jay M.

TITLE OF INVENTION: EXPOXIDE HYDROLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS

TITLE OF INVENTION: OF MAKING AND USING THEM

FILE REFERENCE: 09010-831001

CURRENT APPLICATION NUMBER: US/10/272,490

CURRENT FILING DATE: 2002-10-10

PRIOR FILING DATE: 2002-08-05

PRIOR APPLICATION NUMBER: US 10/214,473

PRIOR FILING DATE: 2002-08-05

PRIOR APPLICATION NUMBER: US 60/309,478

PRIOR FILING DATE: 2001-08-03

PRIOR APPLICATION NUMBER: US 60/393,378

PRIOR FILING DATE: 2002-07-03

NUMBER OF SEQ ID NOS: 94

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 14

LENGTH: 309

TYPE: PRT

ORGANISM: Unknown

FEATURE:

OTHER INFORMATION: Obtained from an environmental source

FEATURE:

NAME/KEY: SIGNAL

LOCATION: (1)...(20)

US-10-272-490-14

Query Match 54.8%; Score 34; DB 12; Length 309;

Best Local Similarity 70.0%; Pred. No. 1.5e+02;

Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 KDKATGTHD 10

Db 116 KDKATIVGHD 125

RESULT 14

US-10-336-597-4

Sequence 4, Application US/10336597

Publication No. US20030150021A1

GENERAL INFORMATION:

APPLICANT: KREBBERS, ENNO

APPLICANT: BROGLIE, KAREN E.

APPLICANT: PEARLSTEIN, RICHARD W.

TITLE OF INVENTION: PLANT 4-(-GLUCANOTRANSFERASE

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: E. I. DUPONT DE NEMOURS AND COMPANY

STREET: 1007 MARKET STREET

CITY: WILMINGTON

STATE: DELAWARE

COUNTRY: UNITED STATES OF AMERICA

ZIP: 19898

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.50 INCH DISKETTE

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: MICROSOFT WINDOWS 95

SOFTWARE: MICROSOFT WORD FOR WINDOWS 95 (VER. 7.0)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/336,597

FILING DATE: 03-Jan-2003

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/403,332

FILING DATE: 19-Oct-1999

ATTORNEY/AGENT INFORMATION:

NAME: MAJARIAN, WILLIAM R.

REGISTRATION NUMBER: 41,173

REFERENCE/DOCKET NUMBER: BB-1101-A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 302-992-4926

TELEFAX: 302-773-0164

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 323 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-336-597-4

Query Match 54.8%; Score 34; DB 12; Length 323;

Best Local Similarity 85.7%; Pred. No. 1.6e+02;

Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 ATFGTHD 10

Db 177 ATIGTHD 183

RESULT 15

US-09-999-248-2

Sequence 2, Application US/09999248

Patent No. US20020176852A1

GENERAL INFORMATION:

APPLICANT: Lambeth, J. David

APPLICANT: Cheng, Guangjie

TITLE OF INVENTION: Mitogenic Oxygenase Regulators

FILE REFERENCE: 05501-0180 43150-266489

CURRENT APPLICATION NUMBER: US/09/999,248

CURRENT FILING DATE: 2001-11-15

PRIOR APPLICATION NUMBER: US 60/249,305

PRIOR FILING DATE: 2000-11-16

PRIOR APPLICATION NUMBER: US 60/251,364

PRIOR FILING DATE: 2000-12-05

PRIOR APPLICATION NUMBER: US 60/289,172

PRIOR FILING DATE: 2001-05-07

PRIOR APPLICATION NUMBER: US 60/289,537

PRIOR FILING DATE: 2001-05-07

NUMBER OF SEQ ID NOS: 26

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 578

TYPE: PRT

ORGANISM: Homo sapiens

US-09-999-248-2

Query Match 54.8%; Score 34; DB 10; Length 578;

Best Local Similarity 85.7%; Pred. No. 3e+02;

Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 KATFGTH 9

Db 364 KATFGVH 370

Search completed: August 28, 2003, 18:42:01

Job time : 17.6667 secs